

**SYSTEM AND METHOD FOR DESIGNING AN
INTEGRATED CIRCUIT DEVICE**

ABSTRACT OF THE DISCLOSURE

5 A method of designing an integrated circuit (IC) device includes providing an initial IC device design, which design has a desired set of electrical characteristics. A layout representation corresponding to the initial device design is generated. A simulation tool is used to determine whether the layout representation corresponds to an IC device design having the desired electrical
10 characteristics. In addition, the variation between structures within the IC device design due to process variations is evaluated using the simulation tool. This variation can be used to determine whether the design is optimized.

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